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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/686,958	10/12/2000	Shinsuke Nakajyo	001344	5708
7	590 06/04/2002			
ARMSTRONG, WESTERMAN, HATTORI McLELAND & NAUGHTON 1725 K. Street, N.W.			EXAMINER	
			PYONIN, ADAM	
Suite 1000 Washington, DC 20006		ART UNIT	PAPER NUMBER	
washington, D	20000		2824	
			DATE MAILED: 06/04/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

5) Notice of Informal Patent Application (PTO-152)

6) Other: search history.

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DETAILED ACTION

Election/Restrictions

 Applicant's election without traverse of Group I, claims 1 – 5 in Paper No. 4 is acknowledged.

Drawings

2. The drawings are objected to because they contain Japanese Characters. The drawings may contain only Roman letters and numbers. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Manufacture of wafer level semiconductor device with quality markings on the sealing resin.

4. The disclosure is objected to because of the following informalities: The claims must start on a separate sheet of paper.

Appropriate correction is required.

5. Applicant is reminded of the proper language and format for an abstract of the disclosure.

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The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes." etc.

The abstract contains the term "means".

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 1 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maruyama (U.S. Patent No. 6,228,684) in view of Glenn et al. (U.S. Patent No. 6,228,676).

Regarding claims 1-5, Maruyama discloses sealing the wafer with resin, conducting an electrical test of the wafer, and dicing in column 17, lines 13-30 and 66-67. Glenn et al. teaches marking position information on the chips in column 6, lines 43-45, and marking the results of testing in column 7, lines 43-53. It would have been obvious to one skilled in the art at the time the invention was made to combine

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Maruyama with Glenn et al. in order to form a packaged and tested semiconductor

device with reduced cost.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. Isoaka, Takehara et al., and Iketani teach packaging.

9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Adam J. Pyonin whose telephone number is (703) 305-

1970. The examiner can normally be reached on M-F (8:30-6:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard T. Elms can be reached on (703) 308-2816. The fax phone

numbers for the organization where this application or proceeding is assigned are (703)

308-7722 for regular communications and (703) 308-7724 for After Final

communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 306-

3431.

Adam J. Pyonin

Examiner

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June 2, 2002

MICHAEL S. LEBENTRITT PRIMARY EXAMINER